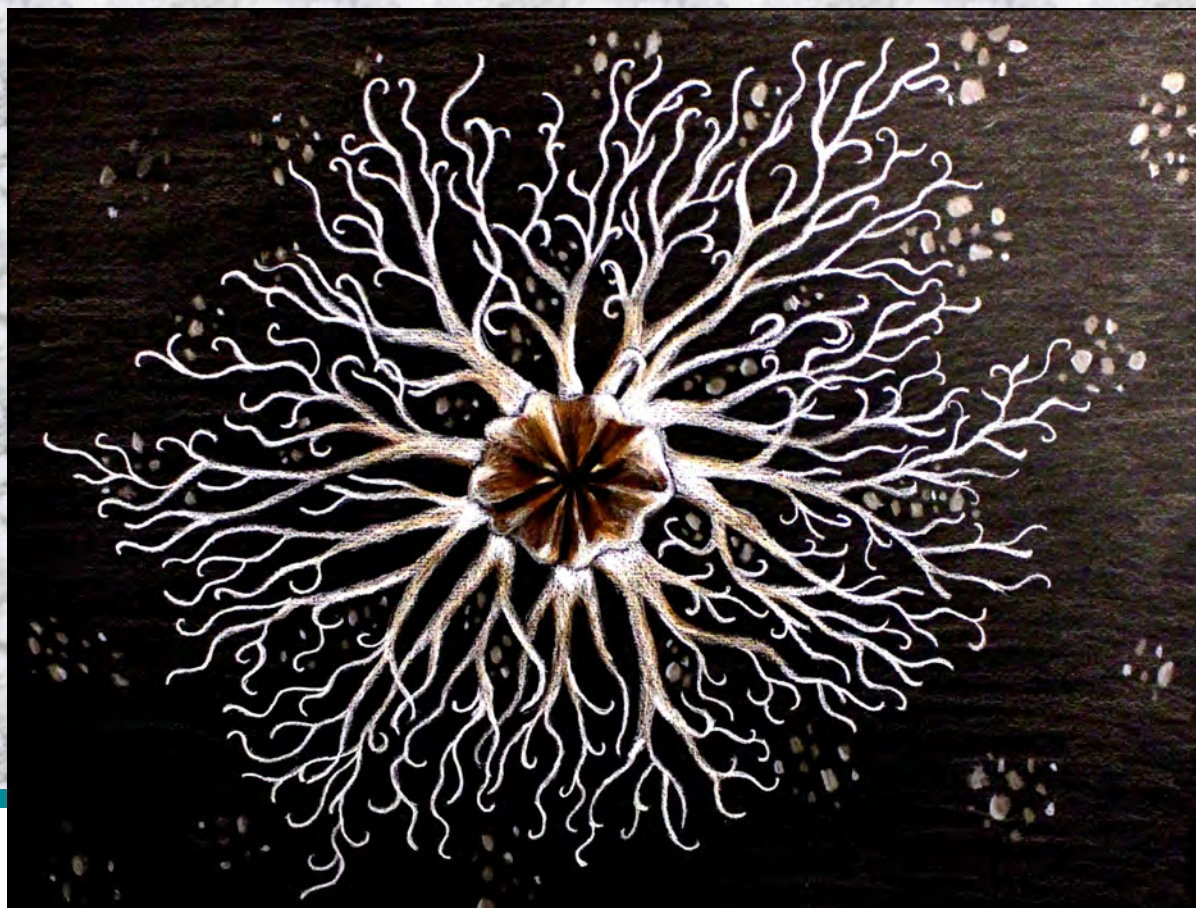


AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

2016 Calendar plus bonus months



Selections from the Massachusetts Marine Educators Marine Art Contest



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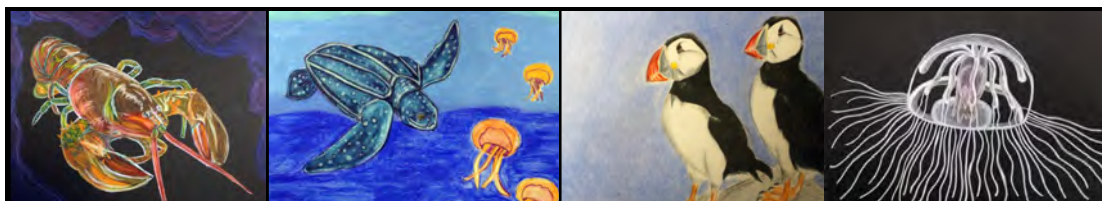
AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

September 2015-December 2016 Calendar

Massachusetts Marine Educators, a non-profit organization of formal and informal educators, is proud to offer this 2016 calendar showcasing entries from the 2015 Marine Art Contest for students in grades K-12. The annual contest's theme is "Amazing Ocean Creatures of Stellwagen Bank National Marine Sanctuary." Entries are judged in five categories: elementary school (grades K-4), middle school (grades 5-8), high school (grades 9-12), scientific illustration (all grades) and computer graphics (all grades). A major goal of this effort is to integrate science and art, and to instill in students an appreciation of the beauty and diversity of the marine life in waters off the Massachusetts coast.

We hope that you find inspiration from the work of these talented and creative student artists. While most of the entrants were Massachusetts-based public, private and home-schooled students, our 2015 contest attracted participants from nine other states. We invite students from across the nation and around the world to participate in this year's contest (the deadline is April 29, 2016). You can find contest information at the back of this calendar or at the following websites: Massachusetts Marine Educators — www.massmarineeducators.org and Stellwagen Bank National Marine Sanctuary — <http://stellwagen.noaa.gov>.

The 2016 calendar is downloadable from both the MME and sanctuary websites. All prize-winning artwork and honorable mention selections from past years can also be viewed on the sanctuary's website. The winning selections and some of the honorable mentions become part of a traveling exhibition that tours eastern Massachusetts sites. Check the sanctuary website for dates and locations.



Winning art from the
2015 MME Marine Art Contest



(Above) *Common Dolphins* by Merissa Loiselle (Computer Graphics Division)
gr. 11, Old Colony Regional Vocational Technical HS

Mixed Divisions (left to right):
Lobster by Elizabeth Salomaa, gr. 12, Chelmsford HS (HS Division); *Leatherback Sea Turtle and Jellies* by Edward and Lewis H., gr. K, Fiske Elementary and gr. 7, William Diamond MS (Elementary and Middle School Divisions); *Atlantic Puffins* by Saoirse K., gr. 6, Pierce MS (Middle School Division); *Jellyfish* by Emily Meads, gr. 10, Nauset Reg. HS (Scientific Illustration Division).

COVER: *Northern Basket Star* by Hanna Sweeney, gr. 10, Nauset Reg. HS (Scientific Illustration Division)

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AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

2015 Marine Biodiversity Judges' Choice Award Winners

The Massachusetts Marine Educators Marine Art Contest awarded special judges' choice prizes to celebrate the diversity of marine life in New England waters and to recognize creativity, outstanding technique and/or thinking outside-of-the-box in terms of artistic interpretation. The sanctuary is one of the most biologically diverse areas in the Gulf of Maine, hosting close to 600 known species, and probably many others that are yet to be described (especially at the micro level).

Award-winning art, clockwise from top right:

SEA TURTLE : *Green Sea Turtle* by Jenny Qiu, Acton-Boxborough Reg. HS, gr. 11. Sea turtles, and especially green sea turtles, are rarely seen in the sanctuary, but if they are, they are usually in pursuit of food. Most sea turtles spotted here are juveniles, especially the greens. .

MARINE MAMMAL: *Humpback Whale* by Bella Branlund, Nauset Reg. HS, gr.9. Marine mammals in the sanctuary include whales, dolphins, porpoises, and seals. The area is an important feeding ground for many species, including the humpback whale, a favorite among whale watchers due to its dramatic behaviors.

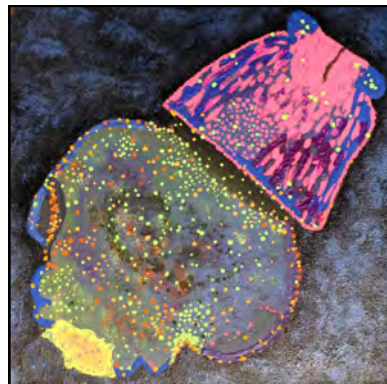
SEABIRD: *Red Phalarope* by Mathea Madsen, Falmouth HS, gr. 10. Red phalaropes spin on the surface to churn up zooplankton that they pick out of the water. They are usually seen in the summer and fall.

INVERTEBRATE: *Squid Embryo* by Chloe Samter, Falmouth HS, gr. 11. Squid are both predator and prey — feeding on small fish like herring, but serving as the main course for larger fish and marine mammals. This depiction is derived from research studies of this species in Woods Hole.

FISH: *Striped Bass* by Sophia Broderick, Falmouth HS, gr. 10. Striped bass numbers were once perilously low, but conservation efforts have worked to increase numbers. This is now a popular catch for recreational fishermen, but this species cannot be taken in federal waters. A 3-D representation showcases the distinctive stripes along the fish's side.



Winning art from the
2015 MME Marine Art Contest



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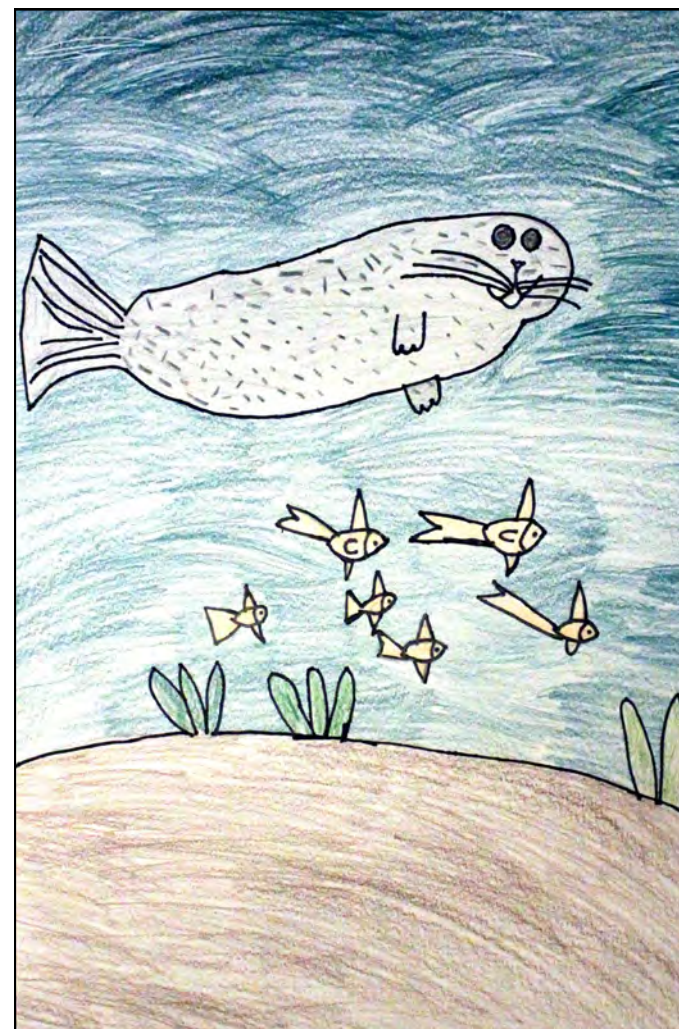
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SEPTEMBER 2015

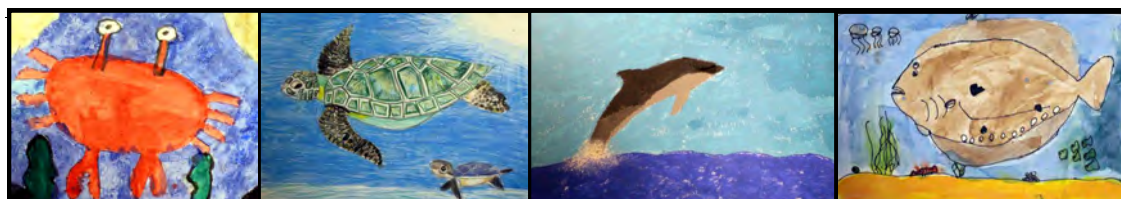
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Winning art from the
2015 MME Marine Art Contest



(Above) *Harbor Seal and Fish* by Adison R., gr. 3, Antioch School, Fall River



ELEMENTARY SCHOOL DIVISION (left to right):
Rock Crab by William H., gr. K, Hatherly ES, Scituate; *Sea Turtles* by Candice L., gr. 2, Bridge ES, Lexington; *Atlantic White-sided Dolphin* by Victoria P., gr. 4, Homeschool, New Bedford; *Flounder and other Marine Life* by Alexandra F., gr. 1, Antioch School, Fall River.

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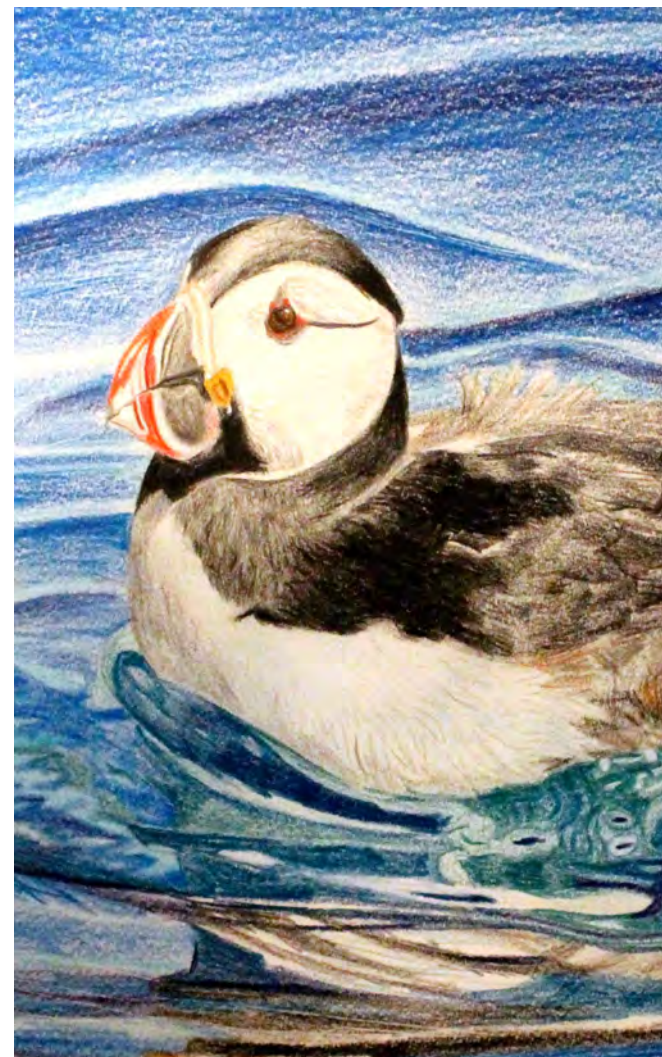
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OCTOBER 2015

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Winning art from the
2015 MME Marine Art Contest



(Above) *Atlantic Puffin* by Rebecca K., gr. 8, Jonas Clarke MS, Lexington

MIDDLE SCHOOL DIVISION (left to right):
Humpback Head by Claire M., gr. 8, Jonas Clarke MS; *Common Loon* by Delaney H., gr. 8, Central Tree MS, Rutland; *Harp Seal Pup* by Julia S., gr. 8, Central Tree MS, Rutland; *Jellyfish* by Viiviann N., gr. 7, Pierce MS, Milton.

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NOVEMBER 2015

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Winning art from the
2015 MME Marine Art Contest



(Above) *Squid and other Species* by Jasmyne Dias, gr. 11, Old Colony Regional Vocational Technical High School, Rochester.

COMPUTER GRAPHICS DIVISION (left to right):

Octopus by Benjamin Sullivan, gr. 10, Old Colony Reg Voc Tech HS; *Acadian Hermit Crab* by Kiera Perryman, gr. 9, Old Colony Reg Voc Tech HS; *Loggerhead Turtle* and *Blood Star* by Brianna Atkinson, gr. 10, Old Colony Reg Voc Tech HS; *Forbes' Asterias Sea Stars* by Alex Amarello, gr.12, Old Colony Reg Voc Tech HS.

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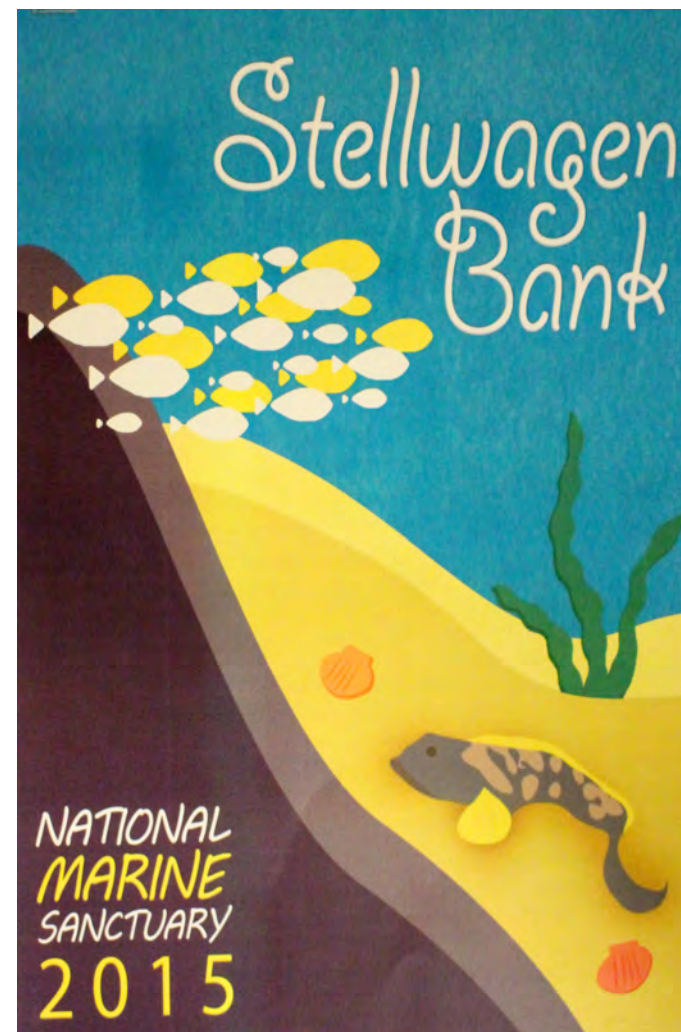
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DECEMBER 2015

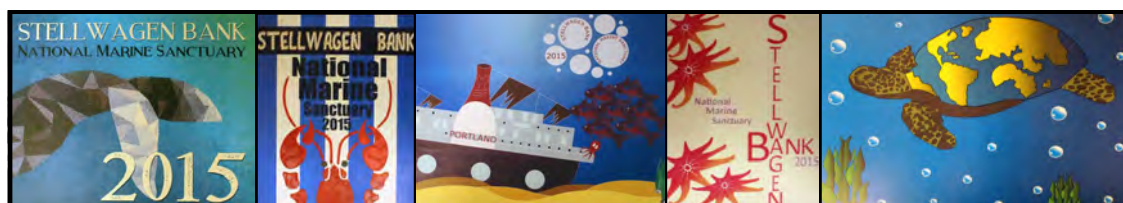
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Winning art from the
2015 MME Marine Art Contest



(Above) *Ocean Pout* by Quinn Washington, gr. 12, Bourne High School



COMPUTER GRAPHICS DIVISION (left to right):
Whale Tail by Joe Estey, gr. 11, Bourne HS; *American Lobster* by Gail Reardon, gr. 12, Bourne HS; *Shipwreck, Octopus and Haddock* by Hailey Rondeau, gr. 9, Bourne HS; *Sea Stars* by Kerri Anderson, gr. 12, Bourne HS; *Green Sea Turtle* by Chloe Karar, gr. 9, Old Colony Reg Voc Tech HS, Rochester.

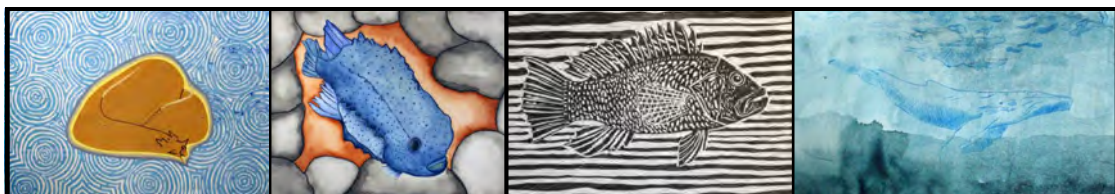
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JANUARY 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Ocean Sunfish* by Shaye Ellard, gr. 12, Nauset Regional High School

HIGH SCHOOL DIVISION (left to right):
Hagfish by Allegra Martin, gr. 11, Nauset Reg HS; *Lumpfish* by Heven Wall,
gr. 11, Falmouth HS; *Black Sea Bass* by Emily Wright, gr. 10, Falmouth HS;
Humpback Whale by Robin Moynihan, gr. 9, Nauset Reg HS.

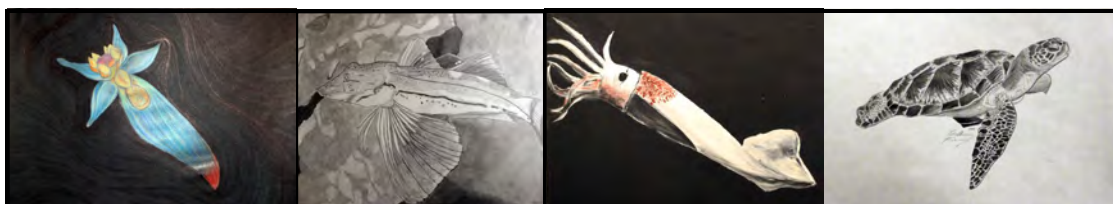
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FEBRUARY 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Lion's Mane Jelly* by Emily Meads, gr. 10, Nauset Regional High School

SCIENTIFIC ILLUSTRATION DIVISION (left to right):
Sea Butterfly by Danielle Geheb, gr. 11, Nauset Reg HS; *Northern Sea Robin* by Halley Steinmetz, gr. 12, Nauset Reg HS; *Squid* by John Maga, gr. 11, Wilmington HS; *Sea Turtle* by Brendan Flannery, gr. 9, Middle Creek HS, Apex, NC.

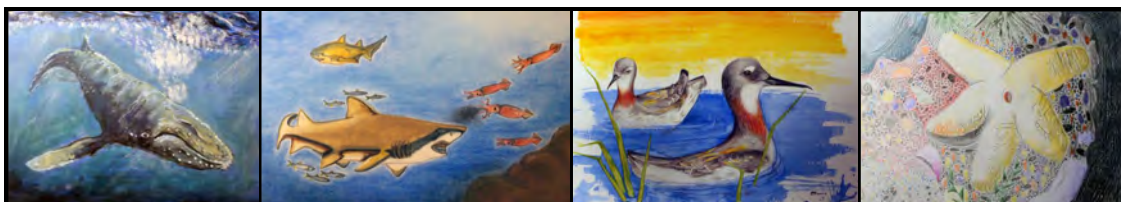
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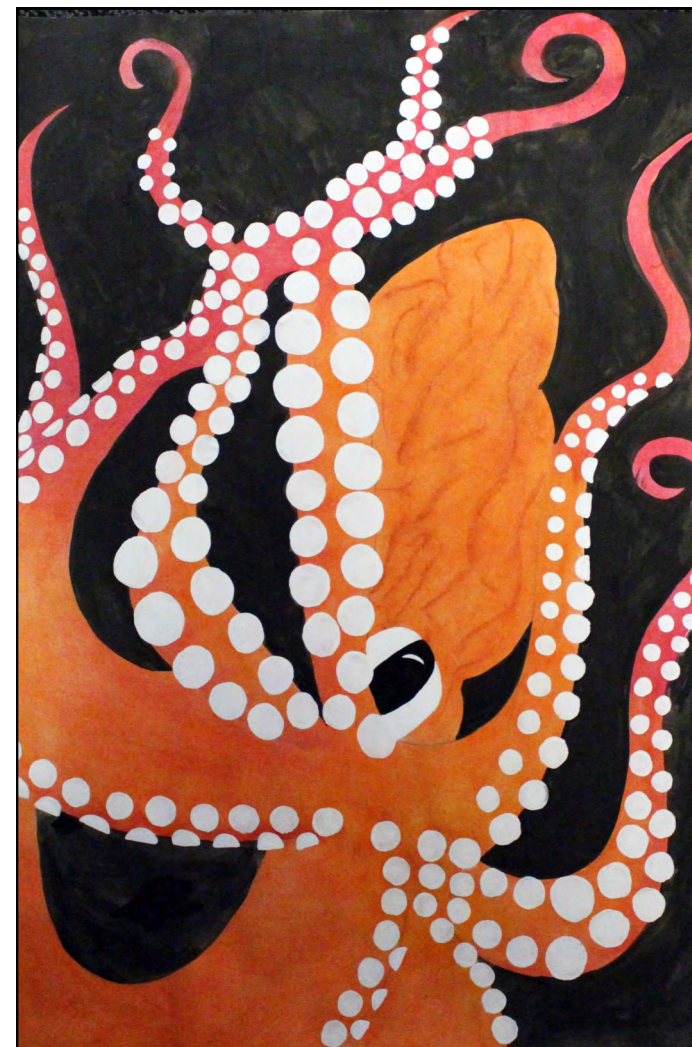
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MARCH 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Octopus* by Morgan B., gr. 8, Marshall Simond Middle School, Burlington

MIDDLE SCHOOL DIVISION (left to right):

Humpback Whale by Maiia B., gr. 6, Kennedy MS, Waltham; *White Shark and Squid* by Lewis H., gr. 7, William Diamond MS, Lexington; *Red-necked Phalaropes* by Hyonon K., gr. 8, McDevitt MS, Waltham; *Winged Sea Star* by Emily D., gr.7, Pierce MS, Milton..

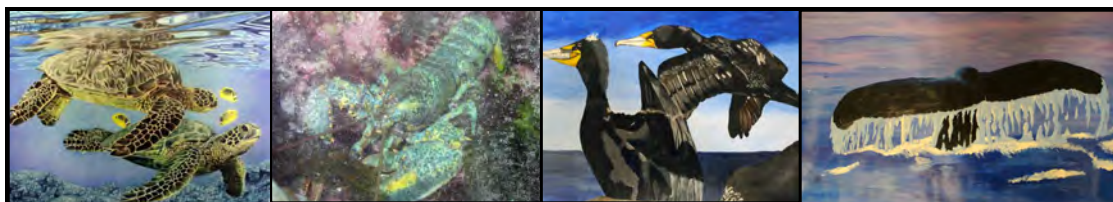
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APRIL 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *White Shark* by Raissa Li., gr. 9, Luckie Art Studio, Lexington

HIGH SCHOOL DIVISION (left to right):

Green Sea Turtles by Irene Qi, gr. 11, Cranbrook Kingswood HS, Canton, MI;
American Lobster by Emily Wysocki, gr. 11, Norfolk County Agricultural HS,
Double-crested Cormorants by Alyssa Bennett, gr. 12, Plymouth South HS;
Whale Tail by Julia Richardson, gr. 11, Cohasset HS.

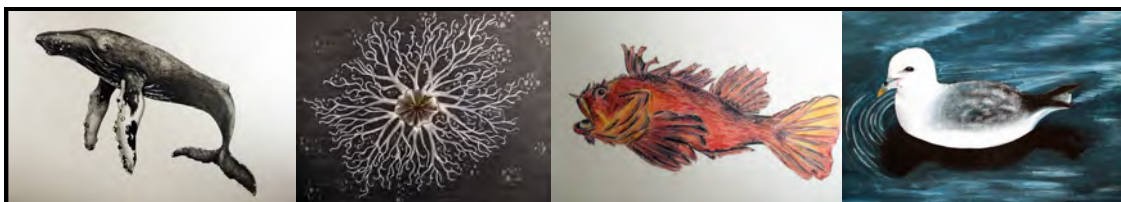
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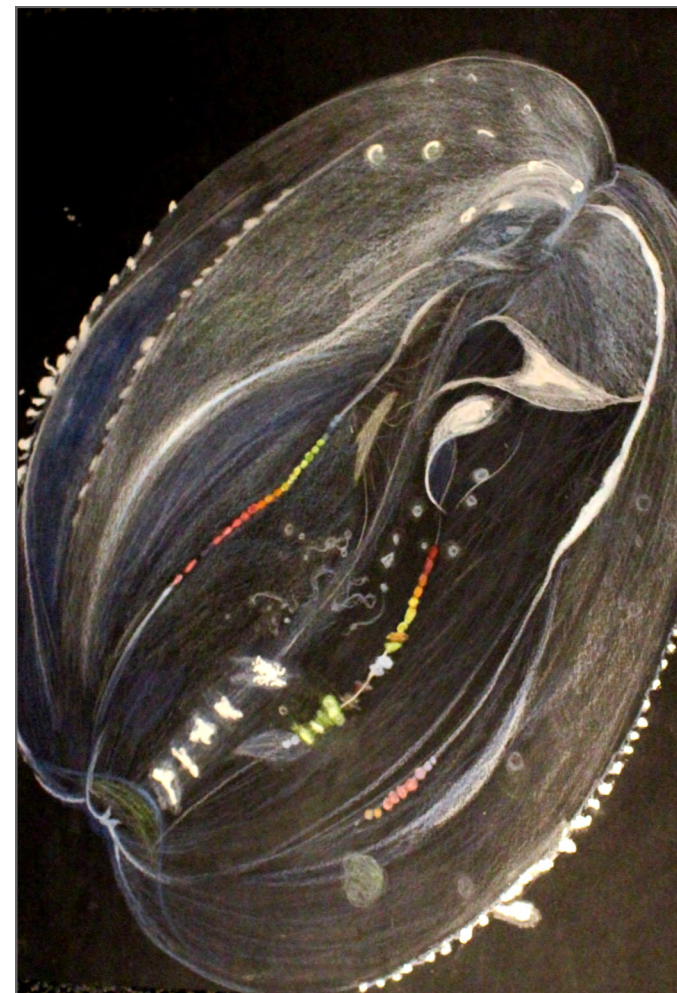
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MAY 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Ctenophore* by Gina Trott, gr. 10, Nauset Regional High School

SCIENTIFIC ILLUSTRATION DIVISION (left to right):
Humpback Whale by Bella Branlund, gr. 9, Nauset Reg HS; *Northern Basket Star*
by Hanna Sweeney, gr. 10, Nauset Reg HS; *Sea Raven* by Marcus Dalpe, gr. 11,
Falmouth HS; *Northern Fulmar* by Eliza Davern, gr. 12, Falmouth HS.

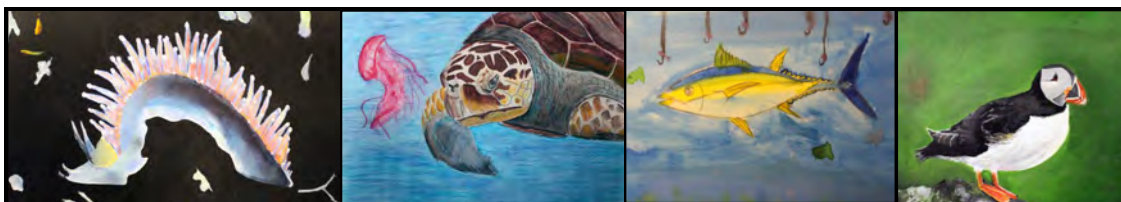
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JUNE 2016

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26	27	28	29	30		



Winning art from the
2015 MME Marine Art Contest



(Above) *Atlantic White-sided Dolphin* by Claire M., gr. 8, Jonas Clarke Middle School, Lexington

MIDDLE SCHOOL DIVISION (left to right):

Red-gilled Nudibranch by Jamin S., gr. 6, Jonas Clarke MS, Lexington; *Sea Turtles and Jelly* by William D., gr. 8, Central Tree MS, Rutland; *Bluefin Tuna* by Nathaniel N., gr. 6, Plymouth South MS; *Atlantic Puffin* by Naaz T., gr.7, Marshall Simond MS, Burlington.

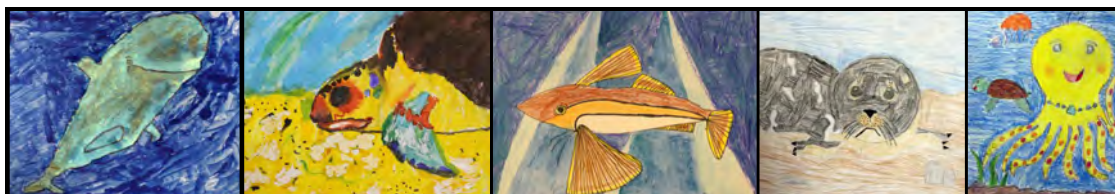
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JULY 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Common Dolphin* by Nicole L., gr. 2, Beachmont Veterans Memorial School, Revere

ELEMENTARY SCHOOL DIVISION (left to right):
Pilot Whale by Thomas F., gr. 2, Homeschool, Fairhaven; *Kemp's Ridley Sea Turtle* by Christopher O., gr. 2, Balmer ES, Northridge; *Sea Robin* by Eloise B., gr. 3, Teaticket ES, Falmouth; *Harbor Seal Pup* by Zachary J., gr. 4, Donahue School, Merrimac; *Octopus and Other Life* by Yuhon L., gr. 1, William H. Lincoln School, Brookline.

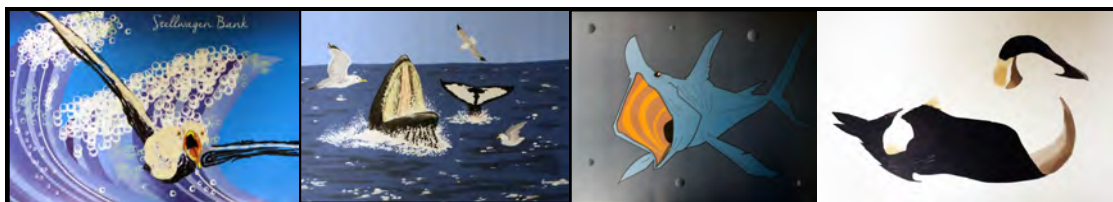
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AUGUST 2016

SUN	MON	TUE	WED	THU	FRI	SAT
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Winning art from the
2015 MME Marine Art Contest



(Above) *Moon Jellies* by Erik Z., gr. 8, Jonas Clarke Middle School, Lexington

COMPUTER GRAPHICS DIVISION (left to right):

Great Black-backed Gull by Blake Stokes, gr. 10, Old Colony Reg Voc Tech HS, Rochester; *Sanctuary Scene* by Isabelle Cadene, gr. 10, Boston Latin School; *Basking Shark* by Alex Papadakis, gr. 9, Old Colony Reg Voc Tech HS; *Common Eider* by Alex Amarello, gr. 12, Old Colony Reg Voc Tech HS.

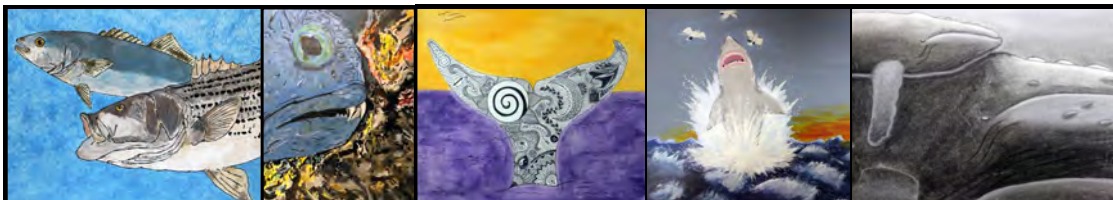
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AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

SEPTEMBER 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) *Sea Butterfly* by Shyauman Zhang, gr. 11, Washtenaw International High School, Canton, MI

HIGH SCHOOL DIVISION (left to right):

Bluefish & Striped Bass by Calvin Toran-Sandlin, gr. 9, Falmouth HS; *Wolfish* by Francesca DiNicola, gr. 12, Falmouth HS; *Designer Whale* by Amanda Vitello, gr. 10, Cohasset HS; *White Shark* by Makena Rivera-Concannon, gr. 11, Plymouth South HS; *Humpback Mother & Calf* by Vito Pampalone, gr. 10, Falmouth.

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AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

OCTOBER 2016

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Winning art from the
2015 MME Marine Art Contest



(Above) Red Phalarope by Kaitlin McManus, gr. 11, Falmouth High School

SCIENTIFIC ILLUSTRATION DIVISION (left to right):
Common Tern by Brittany Vasile, gr. 12, Plymouth South HS; Atlantic White-Sided Dolphin by Michelle M., gr. 6, Provincetown Schools; Red Hake by Emmanuel M., gr. 5, Provincetown Schools; Northern Pink Shrimp by Taylor Dimond, gr. 12, Falmouth HS

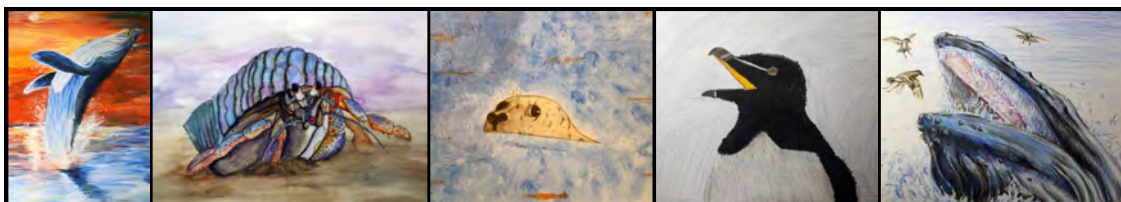
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AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

NOVEMBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
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27	28	29	30	31		



Winning art from the
2015 MME Marine Art Contest



(Above) Green Sea Turtle by Junki B., gr. 7, Jonas Clarke Middle School, Lexington

MIDDLE SCHOOL DIVISION (left to right):

Breaching Humpback by Evan L., gr. 7, William Dimond MS, Lexington; *Acadian Hermit Crab* by Andrew T., gr. 7, William Dimond MS; *Harbor Seal* by Stella B., gr. 7, Mashpee MS; *Razorbill* by Nicky V., gr. 6, Marshall Simond MS, Burlington; *Humpback Whale and Wilson's Storm Petrels* by Erik Z., Jonas Clarke MS.

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AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

DECEMBER 2016

SUN	MON	TUE	WED	THU	FRI	SAT
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31



Winning art from the
2015 MME Marine Art Contest



(Above) *Atlantic Puffin* by Maddie Downey, gr. 11, Old Colony Regional Vocational Technical High School, Rochester

HIGH SCHOOL DIVISION (left to right):
Moon Jellies by Julia Murphy, gr. 11, Plymouth South HS; *Pseudocalanus Copepod* by Kyle Gilmore, gr. 10, Nauset Reg HS; *Harbor Seal and Mackerel* by Breanna-rose Lamb, gr. 11, Norfolk County Agricultural HS, Walpole; *Octopus* by Meredith Davis, gr. 10, Falmouth HS; *Humpback Whale and Great Shearwaters* by Christina Livingston, gr. 9, Middle Creek HS, Apex, NC.

STELLWAGEN BANK
NATIONAL MARINE SANCTUARY
<http://stellwagen.noaa.gov>

MASSACHUSETTS
MARINE EDUCATORS
<http://www.massmarineeducators.org>

AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

JANUARY 2017

SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				



Winning art from the
2015 MME Marine Art Contest



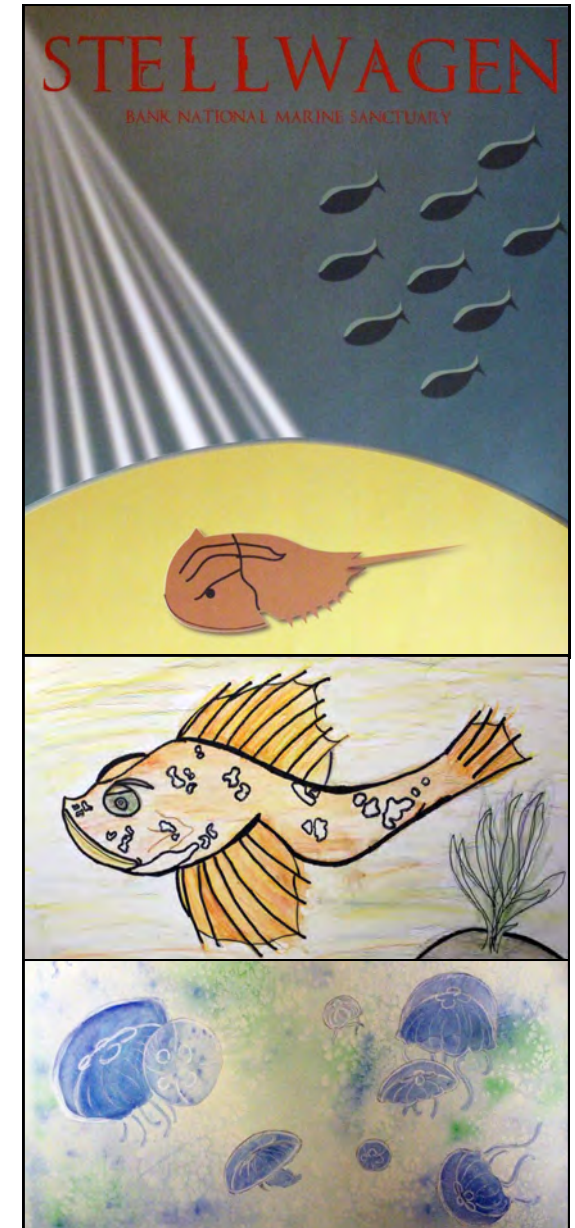
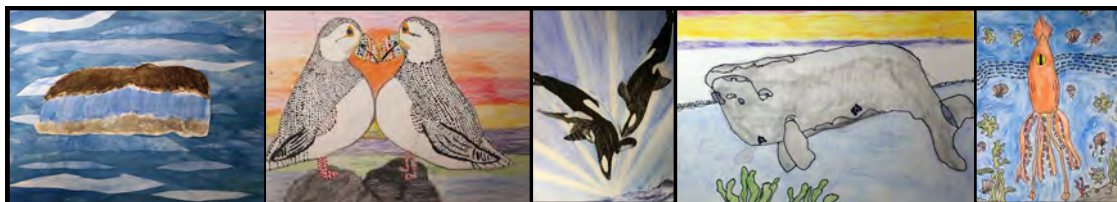
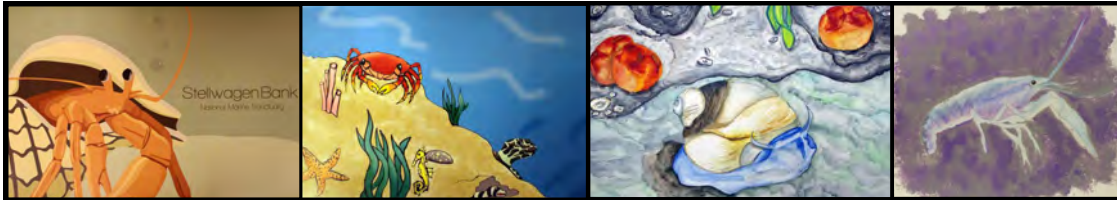
(Above) *Winter Skates* by Morgan Garcia, gr. 12, Old Colony Regional Vocational Technical High School, Rochester

COMPUTER GRAPHICS DIVISION (left to right):
Humpback Whale by Kaitlynn Davis, gr. 11, Norfolk County Agricultural HS, Walpole;
Windowpane Flounder by Brianna Atkinson, gr. 11, Old Colony Reg Voc Tech HS;
Boat and Whale by Morgan Garcia, gr. 12, Old Colony Reg Voc Tech HS; *Orcas* by Molly Chabot, gr. 12, Old Colony Reg Voc Tech HS.



AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

MORE WINNING ART FROM THE 2015 MME MARINE ART CONTEST



Horseshoe Crab by Michael Russo, gr. 12; Wilmington HS; Longhorn Sculpin by Anna G., Cape Cod Lighthouse Charter School; E. Harwich; Moon Jellyfish by Melissa Vella, gr. 11; Nauset Reg HS

(Rows, left to right, from top): Acadian Hermit Crab by Deanna Longo, gr. 11; Crab, Turtle and Other Life by Lauren W., gr. 7; Moon Snail by Hailey Gauntt, gr. 12; Lobster by Marissa LeBlanc, gr. 12; Bluefish by Sarah C., gr. 5; Atlantic Herring by Elizabeth J., gr. 7; Atlantic Cod by Gavin P., gr. 5; Harbor Seal by Mya K., gr. 8; Dolphins, Tuna and Prey by Olivia S., gr. 5; Octopus by Lauren L., gr. 5; Wolffish by Olivia D., gr. 7; Sea Turtle and Fish by Hannah L., gr. 5; Shark and Cod by Michael C., gr. 5; Whale Tail by Lila G., gr. 5; Two Puffins by Caroline O., gr. 5; Breaching Orcas by Aayan P., gr. 6; North Atlantic Right Whale by Riley H., gr. 5; Squid by Seth A., gr. 5; Bluefin Tuna by Brenna A., gr. 6; Blue Shark by Howard B., gr. K; Shark and Other Life by Irene K., gr. K; Northern Pink Shrimp by O'Connor P., gr. 1.

ART CONTEST SPONSORS:

Massachusetts Marine Educators
New England Aquarium
Ocean Genome Legacy Center/Northeastern Univ.
Provincetown Center for Coastal Studies
Stellwagen Bank National Marine Sanctuary
Whale and Dolphin Conservation

For more information:

<http://www.massmarineeducators.org>

<http://stellwagen.noaa.gov>

Email: anne.smraina@noaa.gov

Massachusetts Marine Educators and co-sponsors invite students to participate in the 2016 Marine Art Contest. The theme is "*Marine Biodiversity of Stellwagen Bank National Marine Sanctuary: Celebrating the amazing ocean creatures of New England's national marine sanctuary.*"

REQUIREMENTS:

- Make sure that all artwork depicts species that are found in Stellwagen Bank National Marine Sanctuary/Gulf of Maine.
- Entries should be no smaller than 8"x10" and no larger than 18"x24".
- White, non-glossy paper is recommended — please do NOT laminate and try to keep artwork flat and avoid folding.
- Label each entry on the back with student's name, age, grade, school, school address, school phone number, teacher's name and teacher's email address or use the official entry form. On a separate line write the name(s) of the animal(s) illustrated in the artwork.
- For individual entries (not associated with a school program) include home address/email/phone for correspondence purposes.
- DEADLINE — Friday, April 29, 2016
Deliver by 5pm to: MME Marine Art Contest
c/o Stellwagen Bank National Marine Sanctuary
175 Edward Foster Road, Scituate, MA 02066
or postmark (1st class mail) by deadline date.

2016 MARINE ART CONTEST



MARINE BIODIVERSITY OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

DEADLINE: APRIL 29, 2016

DIVISIONS:

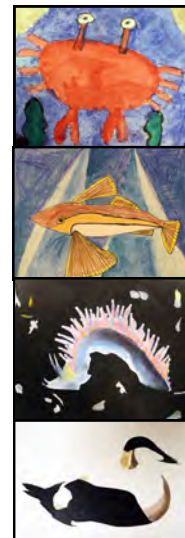
- Elementary School — Grades K-4
- Middle School — Grades 5-8
- High School — Grades 9-12
- Scientific Illustration — All Grades
- Computer Graphics & Photography — All Grades

PRIZES:

- 1ST Place: \$50 cash award, 4 NE Aquarium passes, certificate.
- 2nd Place: \$30 cash award, 2 NE Aquarium passes, certificate.
- 3rd Place: \$15 cash award, 2 NE Aquarium passes, certificate.
- 4th-6th Places: certificate.

JUDGES' CHOICE AWARDS (\$20 each) - recognizing creativity in style, expertise in artistic technique or unique subject of study:

- MME/Joseph McQuade Memorial Award for Seabird Art
- Whale and Dolphin Conservation Award for Marine Mammal Art
- New England Aquarium Award for Fish Art
- Ocean Genome Legacy Awards for Phytoplankton and Zooplankton Art
- Center for Coastal Studies Award for Sea Turtle or Invertebrate Art
- Stellwagen Bank National Marine Sanctuary Award for Invertebrate Art



(left column from top) Rock Crab by William H., gr. K; Sea Robin by Eloise B., gr. 3; Red-Gilled Nudibranch by Jamia S., gr. 6; Common Eider by Alex Amarello, gr. 12. (Right column from top) Humpback Whale by Kaitlyn Davis, gr. 11; Green Sea Turtle by Junki B., gr. 7; Squid by John Moga, gr. 11; Pseudocalanus Copepod by Kyle Gilmore, gr. 10.

ENTRY FORM 2016 MME MARINE ART CONTEST



Marine Biodiversity of Stellwagen Bank
National Marine Sanctuary

DEADLINE: APRIL 29, 2016

Sponsors:

Massachusetts Marine Educators
New England Aquarium
Ocean Genome Legacy Center at Northeastern Univ.
Provincetown Center for Coastal Studies
Stellwagen Bank National Marine Sanctuary
Whale and Dolphin Conservation

Send entries to:

MME Marine Art Contest
c/o Anne Smrcina
Stellwagen Bank National Marine Sanctuary
175 Edward Foster Road
Scituate, MA 02066

Submission of this entry gives the sponsoring organizations all rights to use the artwork for non-commercial purposes, in products that serve as fundraisers for the nonprofit sponsors and to promote and publicize the contest and traveling exhibition of winning art. Any use of artwork will be accompanied by credit to the student and school. Credit for high school art will include the student's full name. For grades K-8, students will be identified by school and first name/last initial only. All winning artwork and honorable mentions will be posted on the sanctuary website (selected artwork will also be posted to the MME website). Sponsors will attempt to return all artwork in a timely fashion. Personal information on this form will be kept securely and not released to any outside individual or organization.

For information:

call 781-545-8026 ext. 204; email anne.smrcina@noaa.gov

FOR STUDENTS ENTERING THROUGH THEIR SCHOOLS:

Student Name: _____

Age: _____ Grade: _____

School: _____

Teacher's Name: _____

Teacher's E-Mail: _____

School Address: _____

School Phone Number: _____

Name(s) of animal(s) pictured in artwork: _____

Scientific names of species (optional): _____

FOR HOMESCHOOL OR INDIVIDUAL ENTRIES:

Student Name: _____

Age: _____ Grade: _____ Homeschool: [] Individual Entry: []

School: _____

Parent/Guardian Name: _____

Parent/Guardian E-Mail: _____

Home Mailing Address: _____

Parent/Guardian Phone Number: _____

Name(s) of animal(s) pictured in artwork: _____

Scientific names of species (optional): _____

AMAZING OCEAN CREATURES OF STELLWAGEN BANK NATIONAL MARINE SANCTUARY

Species List



PHYTOPLANKTON

Diatoms
Dinoflagellates

ZOOPLANKTON

Arthropods – Copepods and other drifting crustaceans
Chaetognaths – Arrow worms
Cniderians – Jellyfish
Ctenophores – Comb jellies
Mollusks – Pteropods (sea butterflies)
Larval fish and invertebrates

INVERTEBRATES

Sponges
Finger sponge
Breadcrumb sponge
Chalice sponge
Cniderians
Frisled anemone
Northern red anemone
Northern cerianthid
Soft coral
Solitary hydroid
Bryozoans
Mollusks
Ocean quahog
Northern horse mussel
Sea scallop
Northern moon snail
Red-gilled nudibranch
Short- and Long-finned squid
Atlantic octopus
Annelids (segmented worms)
Brachiopods (lamp shells)
Arthropods
Rough barnacle
Acadian hermit crab
Jonah crab
Northern lobster
Northern pink shrimp
Sand shrimp

Invertebrates (continued)

Echinoderms
Asterias sea star
Spiny and Smooth sunstars
Horse and Badge stars
Blood sea star
Daisy brittle star
Northern basket star
Orange footed cucumber
Scarlet psolus
Common sand dollar
Green sea urchin
Tunicates
Stalked sea squirt (Boltenia)
Sea vase and Sea peach

SEA TURTLES

Kemp's ridley sea turtle (E)
Leatherback sea turtle (E)
Loggerhead sea turtle (T)
Green sea turtle (E)

This is only a partial list of sanctuary species. A complete list of sanctuary marine life (culled from published scientific papers) can be found in Appendix J of the 2010 Final Management Plan and Environmental Assessment for Stellwagen Bank National Marine Sanctuary, available online at <http://stellwagen.noaa.gov>.

(T) - Threatened (E) - Endangered

FISHES

Sharks
Thresher shark
Blue shark
Shortfin mako shark
White shark
Porbeagle
Basking shark
Spiny dogfish
Skates
Winter skate
Little skate
Barndoor skate
Thorny skate
Small, Schooling Prey Fish
American sand lance
Atlantic herring
Atlantic mackerel
Atlantic menhaden
Butterfish
Flounders
Atlantic halibut
American plaice
Four spot flounder
Windowpane flounder
Winter flounder
Witch flounder
Yellowtail flounder
Gadids (cod family)
Atlantic cod
Cusk
Haddock
Pollock
Red hake
White hake
Silver hake (Whiting)
Silvery Swimmers (pelagic)
Atlantic salmon
Bluefish
Bluefin tuna
Striped bass

Fishes (continued)

Demersal Dwellers (seafloor)
Atlantic wolffish
Sea raven
Ocean pout
Acadian redfish
Longhorn sculpin
Shorthorn sculpin
Grubby
Northern sea robin
Cunner
Black sea bass
Goosefish (Monkfish)
Snakeblenny
Radiated shanney
Fourbeard rockling
Unusual Shape
Ocean sunfish (*Mola mola*)
Pipefish
Hagfish
Lumpfish

MARINE MAMMALS

Baleen Whales
Blue whale (E)
Fin whale (E)
North Atlantic right whale (E)
Humpback whale (E)
Sei whale (E)
Minke whale
Toothed Whales
Sperm whale (E)
Orca (Killer whale)
Long-finned pilot whale
Atlantic white-sided dolphin
Atlantic white-beaked dolphin
Common dolphin
Harbor porpoise
Seals
Harbor seal
Gray seal
Harp, hooded and ringed seals

SEABIRDS

Alcids
Razorbill
Dovekie
Atlantic puffin
Common murre
Black guillemot
Gulls, Terns and Gannets
Herring gull
Great black-backed gull
Laughing gull
Bonaparte's gull
Ring-billed gull
Iceland gull
Glaucous gull
Black-legged kittiwake
Least tern
Roseate tern
Common tern
Arctic tern
Northern gannet
Sea Ducks, Loons, Cormorants
Common eider
Atlantic brant
Great skua
Surf scoter
Common loon
Great cormorant
Double-breasted cormorant
Shearwaters and Petrels
Greater shearwater
Sooty shearwater
Manx shearwater
Wilson's storm petrel
Leach's storm petrel
Fulmars, Jaegers, Phalaropes
Northern fulmar
Parasitic jaeger
Pomarine jaeger
Red-necked phalarope
Red phalarope